

FORM PTO-1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. DENSE-052A

SERIAL NO. 10/016,939

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT Glen E. Roeters, et al.

(37 CFR 1.98(b))
(Use several sheets if necessary)

FILING DATE December 14, 2001

GROUP 1775

PATENT & TRADEMARK DOCUMENTS											
EXAMINER INITIAL	PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
C	3	7	2	3	9	7	03-27-1973	Schaufele	—	—	RECEIVED
	3	7	4	6	9	3	07-17-1973	Stein	—	—	JUN 03 2002
	4	3	7	1	9	1	02-1-1983	Guzik	—	—	TC 1700
	4	6	3	8	3	4	01-20-1987	Brown et al.	—	—	
	4	7	6	1	6	8	08-02-1988	Reid	—	—	
	4	8	4	1	3	5	01-20-1989	Parks	—	—	
	4	8	5	1	6	9	06-25-1989	Stein, Karl-Ulrich	—	—	
	4	8	6	8	7	1	09-19-1989	Woodman	—	—	
	4	9	5	6	6	9	09-11-1990	Eida	—	—	
	5	1	1	7	2	8	05-26-1992	Salatino	—	—	
	5	1	2	8	8	3	06-07-1992	Fox, III et al.	—	—	
	5	1	9	8	8	8	03-30-1993	Sugano et al.	—	✓	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

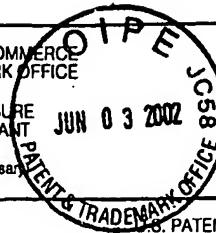
OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

EXAMINER *[Signature]*DATE CONSIDERED *6/17/04*

EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

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CC	5	2	0	1	4	5	1	04-13-1993	Desai et al.	—	—	
	5	2	3	1	3	0	4	07-27-1993	Solomon	—	—	
	5	2	3	9	4	4	7	08-24-1993	Cotus et al.	—	—	
	5	2	6	9	4	5	3	12-14-1993	Melton et al.	—	—	
	5	2	8	2	5	6	5	02-01-1994	Melton	—	—	JUN 06 2002
	5	2	8	4	7	9	6	02-08-1994	Nakanishi et al.	—	—	
	5	3	1	1	4	0	1	05-10-1994	Gates, Jr. et al.	—	—	TC 1700
	5	3	1	3	0	9	6	05-17-1994	Eide	—	—	
	5	3	2	4	5	6	9	06-28-1994	Nagesh et al.	—	—	
	5	3	2	8	0	8	7	07-12-1994	Nelson et al.	—	—	
	5	3	7	3	1	8	9	12-13-1994	Massit et al.	—	—	
	5	3	8	4	6	8	9	01-24-1995	Shen	—	—	

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~~TC-1700~~

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CC	5	4	4	8	5	1	1	09-05-1995	Paurus et al.	—	—	
	5	4	6	6	6	3	4	11-14-1995	Beilstein, Jr. et al.	—	—	
	5	5	1	4	9	0	7	05-07-1996	Moshayedi	—	—	
	5	6	0	7	5	3	8	03-04-1997	Cooke	—	—	
	5	6	1	2	5	7	0	03-18-1997	Eide et al.	—	JUN 06 2002	
	5	6	4	6	4	4	6	06-08-1997	Nicewamer, Jr. et al.	—	—	
	5	7	0	0	7	1	5	12-23-1997	Pasch	—	—	TE 1700
	5	7	1	2	7	6	7	01-27-1998	Kolzuimi	—	—	
	5	7	3	1	6	3	3	03-24-1998	Clayton	—	—	
	5	7	5	9	0	4	6	06-02-1998	Ingraham et al.	—	—	
	5	8	1	8	1	0	6	10-06-1998	Kunimatsu	—	—	
	5	8	6	9	3	5	3	02-09-1999	Levy et al.	—	—	

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						YES	NO

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TC1700

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		DOCUMENT NUMBER					PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	YES	NO		
CC/		6	-	7	7	6	4	1994	Japan	/	/	X		
/		4	2	0	9	5	6	2	1992	Japan	/	/	X	
iv		2	2	3	9	6	5	1	1990	Japan	/	/	X	
/		5	6	8	8	3	2	4	1981	Japan	/	/	X	
/		6	0	1	9	4	5	1	8	1985	Japan	/	/	X

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

CC

ANONYMOUS, Organic Card Device Carrier, Research Disclosure, May 1990, Number 313
"Megabyte per cubic inch," Defense Science, May 1988, p. 56
"Three Dimensional Packaging," Defense Science, May 1988, p. 65
Robert Amunroe, "Ball Grid Array Technology," EDN Products Edition, Jan 1997, pp. 23-24

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C-12-04

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